

Title (en)

HYDROGEN SYSTEM OPERATION PLANNING DEVICE

Title (de)

WASSERSTOFFSYSTEMBETRIEBSPLANUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE PLANIFICATION DE FONCTIONNEMENT DE SYSTÈME D'HYDROGÈNE

Publication

**EP 4216393 A2 20230726 (EN)**

Application

**EP 23150419 A 20230105**

Priority

JP 2022007828 A 20220121

Abstract (en)

To provide a hydrogen system operation planning device capable of accurately preparing an operation plan that achieves efficient operation in a hydrogen system. In the hydrogen system operation planning device of the embodiment, a classification unit receives input of DR commands regarding demand for electric power in the hydrogen system and classifies the input DR commands into a first DR group and a second DR group with a lower priority than the first DR group. A first planning unit prepares a first operation plan to reflect the DR command classified into the first DR group. A second planning unit prepares a second operation plan by reflecting contents of the DR command classified into the second DR group on the first operation plan so that contents of the DR command classified into the first DR group have priority over the contents of the DR command classified into the second DR group.

IPC 8 full level

**H02J 3/14** (2006.01); **H02J 15/00** (2006.01)

CPC (source: EP US)

**G05B 19/042** (2013.01 - US); **H01M 8/04925** (2013.01 - US); **H01M 8/0656** (2013.01 - US); **H02J 3/144** (2020.01 - EP); **H02J 3/28** (2013.01 - EP); **H02J 15/008** (2020.01 - EP); **G05B 2219/2639** (2013.01 - US); **H02J 3/381** (2013.01 - EP); **H02J 2300/20** (2020.01 - EP); **H02J 2300/30** (2020.01 - EP); **H02J 2310/54** (2020.01 - EP); **H02J 2310/60** (2020.01 - EP); **Y02E 60/36** (2013.01 - EP)

Citation (applicant)

- WO 2020203520 A1 20201008 - ASAHI CHEMICAL IND [JP]
- WO 2020179849 A1 20200910 - ASAHI CHEMICAL IND [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4216393 A2 20230726**; **EP 4216393 A3 20231018**; JP 2023106855 A 20230802; US 2023238556 A1 20230727

DOCDB simple family (application)

**EP 23150419 A 20230105**; JP 2022007828 A 20220121; US 202318149770 A 20230104